

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-10. (Canceled)

11. (Currently amended) A stator assembly for an electrical machine, comprising a cylindrical housing (2), a stator disposed in the housing, at least one inward-oriented bead pressed into the housing and extending in the axial direction (~~(X-X)~~), and at least one inward- or outward- oriented bead disposed on the stator (~~(4)~~) extending in the axial direction, wherein an inward-oriented bead is embodied by an indentation (3) in the circumference of the housing (2) or the stator (~~(4)~~) in a radially inward direction and an outward-oriented bead is embodied by a protrusion (3) in the circumference of the housing (2) or the stator (~~(4)~~) in a radially outward direction, and wherein a shape of the bead disposed on the housing corresponds with a shape of the bead disposed on the stator.

Claim 12. (Canceled)

13. (Previously presented) The stator assembly as defined by claim 11, wherein the at least one bead on the housing and the at least one bead on the stator are embodied such that in the

installed state, the housing and the stator are connected at a plurality of connecting points and one gap each is embodied in the circumferential direction between the respective connecting points.

14. **(Previously presented)** The stator assembly as defined by claim 11, wherein between a bead of the housing and a bead of the stator, there is a gap at the lowest point of the beads in the installed state.

15. **(Previously presented)** The stator assembly as defined by claim 13, wherein between a bead of the housing and a bead of the stator, there is a gap at the lowest point of the beads in the installed state.

16. **(Previously presented)** The stator assembly as defined by claim 11, wherein, between one bead of the housing and one bead of the stator in the installed state, a gap between the housing of the stator is embodied at a transition from the outer diameter of the stator to the bead.

17. **(Previously presented)** The stator assembly as defined by claim 13, wherein, between one bead of the housing and one bead of the stator in the installed state, a gap between the housing of the stator is embodied at a transition from the outer diameter of the stator to the bead.

18. **(Previously presented)** The stator assembly as defined by claim 14, wherein, between one bead of the housing and one bead of the stator in the installed state, a gap between the housing of the stator is embodied at a transition from the outer diameter of the stator to the bead.

19. **(Previously presented)** The stator assembly as defined by claim 11, wherein a plurality of beads are embodied on the housing and on the stator, said beads being each spaced apart equally from one another in the circumferential direction.

20. **(Previously presented)** The stator assembly as defined by claim 13, wherein a plurality of beads are embodied on the housing and on the stator, said beads being each spaced apart equally from one another in the circumferential direction.

21. **(Previously presented)** The stator assembly as defined by claim 16, wherein a plurality of beads are embodied on the housing and on the stator, said beads being each spaced apart equally from one another in the circumferential direction.

22. **(Previously presented)** The stator assembly as defined by claim 11, wherein each at least one bead on the housing in the axial direction correspond to a length of the stator in the axial direction.

23. **(Previously presented)** The stator assembly as defined by claim 13, wherein each at least one bead on the housing in the axial direction correspond to a length of the stator in the axial direction.

24. **(Previously presented)** The stator assembly as defined by claim 16, wherein each at least one bead on the housing in the axial direction correspond to a length of the stator in the axial direction.

25. **(Previously presented)** The stator assembly as defined by claim 11, further comprising a bearing support for an armature shaft of the electrical machine formed integrally on the housing.

26. **(Previously presented)** The stator assembly as defined by claim 11, further comprising a bearing support for an armature shaft of the electrical machine formed integrally on the housing.

27. **(Previously presented)** The stator assembly as defined by claim 16, further comprising a bearing support for an armature shaft of the electrical machine formed integrally on the housing.

28. **(Previously presented)** The stator assembly as defined by claim 13, further comprising securing openings formed integrally on the housing for securing the electrical machine.

29. **(Previously presented)** The stator assembly as defined by claim 16, further comprising securing openings formed integrally on the housing for securing the electrical machine.

30. **(Previously presented)** An electrical machine, including a stator assembly as defined by claim 13.

31. **(New)** A stator assembly for an electrical machine, comprising a cylindrical housing, a stator disposed in the housing, at least one inward-oriented bead pressed into the housing and extending in the axial direction, and at least one inward- or outward- oriented bead disposed on the stator extending in the axial direction, the at least one inward-oriented bead is embodied by an indentation in the circumference of the housing or the stator in a radially inward direction and the at least one outward-oriented bead is embodied by a protrusion in the circumference of the housing or the stator in a radially outward direction, wherein a shape of the bead disposed on the housing corresponds with a shape of the bead disposed on the stator, the bead disposed on the housing exerts a resilient prestressing on the stator, and the prestressing force can be varied as a function of the shape of the bead.

32. **(New)** A stator assembly for an electrical machine, comprising a cylindrical housing, a stator disposed in the housing, at least one inward-oriented bead pressed into the housing and extending in the axial direction, and at least one inward- or outward- oriented bead disposed on the stator extending in the axial direction, the at least one inward-oriented bead is embodied by

an indentation in the circumference of the housing or the stator in a radially inward direction and the at least one outward-oriented bead is embodied by a protrusion in the circumference of the housing or the stator in a radially outward direction, wherein a shape of the bead disposed on the housing corresponds with a shape of the bead disposed on the stator, and wherein the housing and the stator are made from sheet steel.